



Main

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|-------------------------------|--|
| Range of Product | Telemecanique Limit switches XC Standard |
| Series name | Standard format |
| Product or Component Type | Limit switch |
| Device short name | XCKP |
| Sensor design | Compact |
| Body type | Fixed |
| Head type | Multi-directional head |
| Material | Plastic |
| Body Material | Plastic |
| Head material | Zamak |
| Fixing Mode | By the body |
| Movement of operating head | Multi-directional |
| Type of operator | Spring return cat's whisker |
| Type of approach | Multi-directional approach |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contact operation | Snap action |

Complementary

| | |
|--|---|
| Switch actuation | By any moving part |
| Electrical connection | Male connector M12, 4 pins |
| Contacts insulation form | Zb |
| Positive opening | Without |
| Minimum torque for tripping | 115.06 lbf.in (13 N.m) |
| Maximum actuation speed | 3.28 ft/s (1 m/s) |
| [Ie] rated operational current | 3 A 240 V, AC-15 EN/IEC 60947-5-1 appendix A 0.27 A 250 V, DC-13 EN/IEC 60947-5-1 appendix A |
| [Ithe] conventional enclosed thermal current | 3 A |
| [Ui] rated insulation voltage | 300 VUL 508 300 VCSA C22.2 No 14 250 V 3)IEC 60947-1 |
| Maximum resistance across terminals | 25 MOhm IEC 60255-7 category 3 |
| [Uimp] rated impulse withstand voltage | 2.5 KV IEC 60664 2.5 kV IEC 60947-1 |
| Short-circuit protection | 4 A cartridge fuse gG |
| Electrical durability | 5000000 Cycles, DC-13, 120 V, 4 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, 24 V, 10 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W 60 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Mechanical durability | 5000000 cycles |
| Width | 1.22 in (31 mm) |
| Height | 2.56 in (65 mm) |
| Depth | 1.18 in (30 mm) |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO |

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Environment

| | |
|---------------------------------------|---|
| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 25 gn 10...500 Hz)IEC 60068-2-6 |
| IP degree of protection | IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 |
| IK degree of protection | IK04 EN 50102 |
| Electrical shock protection class | Class II IEC 61140 Class II NF C 20-030 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Protective treatment | TC |
| Product Certifications | CSA CCC UL |
| Standards | EN 60204-1 IEC 60204-1 EN 60947-5-1 CSA C22.2 No 14 IEC 60947-5-1 UL 508 |

Ordering and shipping details

| | |
|-------------------|----------------------------------|
| Category | 22418-LIMIT SWITCH,IEC,XCKP&XCKT |
| Discount Schedule | T |
| GTIN | 3389110204186 |
| Returnability | Yes |
| Country of origin | FR |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.38 in (3.5 cm) |
| Package 1 Width | 1.38 in (3.5 cm) |
| Package 1 Length | 8.46 in (21.5 cm) |
| Package 1 Weight | 3.14 oz (89.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 22 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 5.09 lb(US) (2.309 kg) |

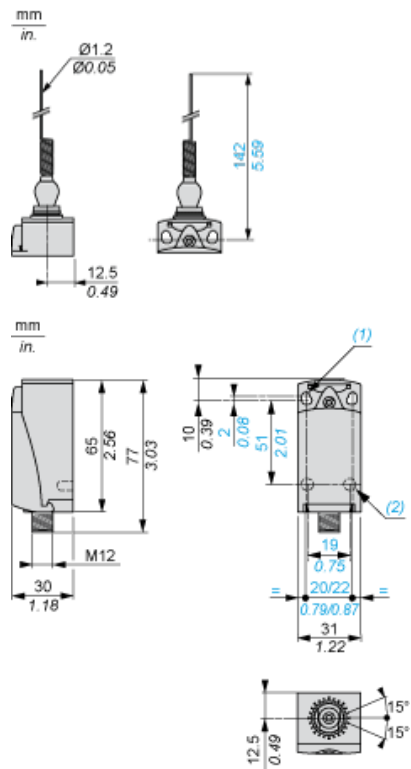
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Contractual warranty

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| Warranty | 18 months |
|----------|-----------|

Dimensions



- (1) 2 elongated holes \varnothing 4.3 x 6.3 mm on 22 mm centres, 2 holes \varnothing 4.3 on 20 mm centres.
- (2) 2 x \varnothing 3 holes for support studs, depth 4 mm.

Mounting with Cable Entry

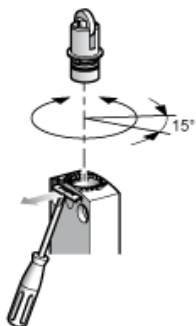
Position of Cable Gland



- (1) Recommended
(2) To be avoided

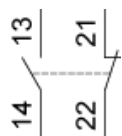
Setting-up

Plunger or Multi-directional Heads



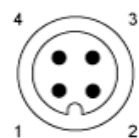
Wiring Diagram

2-pole NC + NO Snap Action



Connections

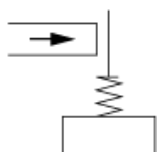
M12 Connector



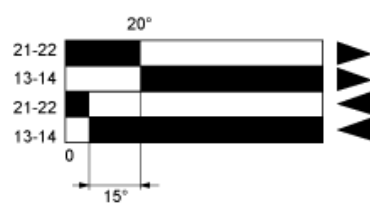
1-2 : NC
3-4 : NO

Characteristics of Actuation

Switch Actuation by Any Moving Part



Functionnal Diagram



- (1) Closed
- (2) Open
- (4) Tripping
- (5) Resetting